



DEPARTMENT OF CIVIL ENGINEERING

VISION

To evolve into a centre of excellence for imparting holistic civil engineering education contributing towards sustainable development of the society.

MISSION

- M1. To impart quality civil engineering education blended with contemporary and interdisciplinary skills.
- M2. To provide enhanced learning facilities and professional collaborations to impart a culture of continuous learning.
- M3. To involve in trainings and activities on communication skills, teamwork, professional ethics, environmental protection and sustainable development.

PROGRAM EDUCATIONAL OBJECTIVES

Within three to five years of graduation, the Civil Engineering B.E. graduates are expected to:

- PEO 1: Engage in planning, analysis, design, construction, operation and maintenance of built environment.
- PEO 2: Apply the knowledge of civil engineering to pursue research or to engage in professional practice.
- PEO 3: Work effectively as individuals and as team members in multidisciplinary projects with organizational and communication skills.
- PEO 4: Demonstrate the spirit of lifelong learning and career enhancement aligned to professional and societal needs.

PROGRAM OUTCOMES

- PO1 Engineering knowledge
- PO2 Problem Analysis
- PO3 Design/development of solutions
- PO4 Conduct investigations of complex problems
- PO5 Modern Tool Usage
- PO6 The engineer and society
- PO7 Environment & sustainability
- PO8 Ethics
- PO9 Individual and Team work
- PO10 Communication
- PO11 Project Management and Finance
- PO12 Life-long Learning

PROGRAM SPECIFIC OUTCOMES

- PSO 1: Investigate properties of traditional and latest construction materials using standard testing methods.
- PSO 2: Use AutoCAD, STAAD Pro, ETABS, Revit Architecture and ANSYS software for computer aided structural analysis and design.
- PSO 3: Describe the principles of sustainable development and green buildings for environmental preservation.



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In Focus India's Agnipath Scheme: Strengthening Defense Readiness

The Agnipath scheme, introduced by the Modi government, stands as a pivotal reform among a series of recent defense initiatives. From appointing a Chief of Defense Staff (CDS) to establishing a Department of Military Affairs (DMA) and fostering industry-friendly procurement measures, this scheme marks a bold step towards bolstering India's defense preparedness.



However, while this scheme brings forward much-needed reforms, challenges lie ahead. The imperative task is to swiftly devise a comprehensive training program for new Agniveers to ensure their combat readiness. Additionally, while the scheme offers a shorter tenure, it may disappoint those seeking longer service and lifelong pensionary benefits. Nonetheless, this strategic reform signifies India's commitment to adapting its defense infrastructure in a rapidly evolving global scenario, emphasizing agility and readiness over traditional structures. Young did protection for their future dream.

Industrial visits:

An industrial visit to 172 MLD sewage treatment plant (STP) Nagole.

Chief Minister Y S Rajasekhara Reddy is set to inaugurate the 172 MLD Sewage Treatment Plant (STP) at Nagole, marking a substantial milestone in Hyderabad's infrastructure landscape. With a cost of Rs 53.92 crore, funded by the National River Conservation Project, this eco-friendly STP is tailored to accommodate the city's 2011 sewage inflow, addressing the pressing needs of Hyderabad's expanding urban landscape.



Under the stewardship of G Asok Kumar, the Hyderabad Metropolitan Water Supply and Sewerage Board (HMWS&SB) champions an eco-conscious approach. Employing a chemical-free biological treatment process, this STP not only treats sewage but also generates biogas (methane) for power production, ensuring minimal environmental impact. The treated water, meeting stringent surface water disposal standards, holds the promise of elevating the Musi river's water quality. Comprising primary, secondary, and post-treatment units, this cutting-edge STP signifies a significant stride in sustainable infrastructure development for the city. Methodist College students visited the facility on 12-05-2022, gaining insights into its state-of-the-art processes and reinforcing awareness about environmentally friendly infrastructure practices among the younger generation.

Workshops Attended by Faculty:

S. No.	Event Date		Event Type	Event Details	No. of Attendees	Participants
	From	To				
1.	13.04.2022	13.04.2022	Environment challenges and career opportunities	University college of engineering , Kakinada	7	Dr.Akshay Naidu, Dr.Bandita Naik, Mrs.shista Begaum, R.Srikanth, Shaik mohammad imran
2	01.04.2022		Road Safety Online Workshop	Wrong Side of the Road	1	Mr. Mohd Shahed Ali

Seminars/Webinars attended by the faculty and students:

S.No.	Event Date	Event Type	Event Details	No. of Attendees	Participants
1.	07.05.2022	Online Webinar	Structural Audit and repair rehabilitation of concrete structures	1	Mrs. S. Deva Samyuktha
2.	18.06.2022	Online Webinar	Standards make cities smarter	1	Mrs. S. Deva Samyuktha

Books published by the faculty:

- **Dr. Bandita Naik**, "Water Resources", ASIN: B0B5GNWWV1 Publisher: Notion Press; 1st edition (30 June 2022); Notion Press Media Pvt Ltd No, 50, Chettiyar Agaram Main Road, Anagram, Chennai – 600095, ISBN-13:979-8887339337.

International/National Conference Papers:

- Mohammed Abdul Wasay, Syed Abubaker Ahmer, Mohammed Abdul Azeem, **Dr. Bandita Naik**, Water Quality Assessment of Hussain Sagar Lake in Hyderabad City. International Virtual Conference on Innovative Trends in Hydrological and Environmental Systems.